# The Password Game User Manual

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## Introduction

### Purpose of the Game

The Password Game is an interactive educational game designed to teach users essential account security practices through engaging challenges. In today's digital world where cyber threats are constantly evolving, understanding how to protect your online accounts is more important than ever. This game aims to make learning about password security, social login authentication, and two-factor authentication both fun and memorable.

### Target Audience

This game is designed for:

* General internet users of all ages
* Students learning about cybersecurity
* Individuals who want to improve their online security practices
* Organizations looking to train employees on account security basics

### How to Use This Manual

This manual provides comprehensive information about The Password Game. Navigate to specific sections using the Table of Contents. If you're a first-time player, we recommend reading the Game Overview and Level Guide sections before starting.

## 

## Game Overview

### Game Description

The Password Game is an interactive web-based game that guides players through three progressive levels of account security. Players learn by doing—creating strong passwords, understanding social login, and setting up two-factor authentication—all in a safe, simulated environment.

### Key Features

* Three interactive security learning levels
* Progressive difficulty with guided instructions
* Real-time feedback on security practices
* Visual security strength indicators
* Completion certificate upon finishing all levels

### Educational Benefits

By completing The Password Game, users will:

* Understand what makes a password strong and resistant to cracking
* Learn the benefits and security aspects of social login authentication
* Master the setup and use of two-factor authentication
* Gain practical knowledge applicable to securing their real-world accounts

## System Requirements

### Minimum Requirements

* Operating System: Windows 10, macOS 10.14, Android 8.0, iOS 13, or newer
* Browser: Chrome 88+, Firefox 85+, Safari 14+, Edge 88+
* Memory: 2GB RAM
* Internet Connection: Basic broadband connection
* Display: 1280x720 resolution

### Recommended Requirements

* Browser: Latest version of Chrome, Firefox, Safari, or Edge
* Internet Connection: Stable broadband connection
* Display: 1920x1080 resolution or higher (game UI is optimized for this resolution)
* No active browser extensions that might interfere with JavaScript functionality

## 

## Game Structure

### Main Components

* Home Page: Introduces the game concept and security statistics
* Level Selector: Navigation between levels (unlocked as you complete them)
* Game Levels: Three progressive security learning modules
* Completion Screen: Certificate and security takeaways

### Navigation

* Use the "Start Game" button on the home page to begin
* Complete each level to unlock the next
* Use "Back" buttons at the top of Level 2 and 3 to return to previous levels
* "Continue to Level X" buttons advance to the next level
* After completion, use "Play Again" to restart or "Return to Home" to go to the main page

### User Interface

* Progress Bar: Shows completion progress within each level
* Alert Messages: Provide feedback on tasks and requirements
* Security Meter: Visual indicator of password/account strength
* Information Cards: Explain security concepts
* Interactive Forms: Allow practice of security concepts
* Tooltips: Provide helpful examples and information (hover over the ℹ️ icon)

## Game Mechanics

### How to Play

1. Start at Level 1 and follow the on-screen instructions
2. Complete each task to advance to the next challenge
3. Pay attention to educational content between interactive elements
4. Use the provided feedback to improve your security practices
5. Complete all three levels to earn your Security Expert certificate

### 

### Controls

* Mouse/Touch: Click or tap buttons and interactive elements
* Keyboard: Type information in text fields when prompted

### Scoring System

* Progress is based on task completion rather than points
* Security strength meters provide visual feedback:
  + Level 1: Password strength meter (0-100%)
  + Level 2: Social login security score (increases to 75%)
  + Level 3: Two-factor authentication security score (increases to 100%)
* Levels are unlocked sequentially as you complete requirements
* Congratulatory animation and feedback appear when completing each level

## Level Guide

### Level 1: Strong Password Creation

* Objective: Create a password that meets all security criteria
* Skills Taught: Password complexity, unique character combinations, avoiding common patterns
* Completion Criteria: Successfully create a password that satisfies all 8 requirements
* Process:
  1. Enter a password in the provided field
  2. Notice how requirements appear progressively as you meet earlier ones
  3. Requirements include:
     + At least 8 characters long
     + At least one number
     + At least one uppercase letter
     + At least one symbol (!@#$%^&\*)
     + Including a month name (e.g., January, February)
     + Including a year between 1900 and 2099
     + Including an animal name (e.g., cat, dog, lion)
     + Including a color name (e.g., red, blue, green)
  4. Continue strengthening your password until all criteria are met
  5. Click "Continue to Level 2" when all requirements are satisfied
* Tips: The game provides helpful tooltips with examples of months, animals, and colors you can use

### 

### Level 2: Social Login

* Objective: Understand and set up social login authentication
* Skills Taught: Benefits of social login, permission management, account linking
* Completion Criteria: Complete the simulated social login process
* Process:
  1. Enter your email address (must be in valid email format)
  2. Click the "Sign in with Google" button
  3. Wait through the simulated Google authentication process
  4. Review the permissions being requested (view email and basic profile info)
  5. Click "Authorize Access"
  6. Observe the security score increase to 75%
  7. Click "Continue to Level 3" to advance
* Tips: Always review the permissions you grant to applications during social login

### Level 3: Two-Factor Authentication

* Objective: Learn about and set up two-factor authentication (2FA)
* Skills Taught: 2FA concepts, authenticator apps, verification codes
* Completion Criteria: Complete the 2FA setup process
* Process:
  1. Learn about 2FA through the interactive tutorial tab (first tab)
  2. Click "Continue to Setup" to proceed
  3. Review the QR code scanning process in the setup tab (second tab)
  4. Observe the simulated authenticator app with changing 6-digit codes
  5. Click "Continue to Verify" to proceed
  6. Enter a valid 6-digit code in the verify tab (third tab)
  7. Click "Verify & Complete Setup"
  8. View your security score reach 100%
  9. Click "Claim Your Security Expert Badge" to complete the game
* Tips: Note that the verification codes change every 30 seconds, simulating real authenticator app behavior

## 

## Educational Content

### Key Cybersecurity Concepts

* Password Strength: Why complex passwords matter and how they resist attacks
* Complex Password Components: Using length, character variety, and non-dictionary terms
* Credential Stuffing: How password reuse across sites increases risk
* Social Authentication: The security benefits of authentication through trusted providers
* Two-Factor Authentication: How having a second verification method dramatically improves security
* Security Layers: The importance of multiple security methods working together

### Real-World Applications

* Apply these security practices to your email, banking, social media, and other accounts
* Use a password manager to create and store unique passwords for different sites
* Enable 2FA on all services that support it, especially financial and email accounts
* Be cautious about permissions requested when using social login
* Consider the security vs. convenience trade-offs of different authentication methods

### Learning Assessment

The game itself serves as a practical assessment, as users must demonstrate understanding by:

* Creating strong passwords that meet specific security criteria
* Successfully completing the social login process
* Setting up and using two-factor authentication
* Recognizing the increasing security level as additional protection layers are added

## 

## Troubleshooting

### Common Issues

* Progress Not Saving: Ensure cookies are enabled in your browser
* Game Not Loading: Try refreshing the page or using a different browser
* Interactive Elements Not Responding: Check that JavaScript is enabled
* Display Issues: Adjust your browser zoom level or try a different device

### Basic Troubleshooting Tips

1. Clear browser cache and cookies
2. Ensure your browser is updated to the latest version
3. Disable browser extensions that might interfere with game functionality
4. Check if your firewall or antivirus is blocking JavaScript
5. Try using an incognito/private browsing window
6. Restart your browser or device
7. If using a mobile device, ensure you have adequate storage space
8. Check your internet connection stability

## FAQ

**Q: Can I skip levels?** A: No, levels must be completed in sequence to ensure proper learning progression.

**Q: Are my real accounts being connected?** A: No, this is a simulation. No real credentials or accounts are used or accessed.

**Q: Is this game collecting my personal information?** A: No, any information entered is for educational purposes only and is not stored or transmitted.

**Q: Why is my UI broken?** A: The game is designed for 1920x1080 screens. If you're using a different resolution, you may experience display issues. Try adjusting your browser zoom level or switching to a device with the recommended resolution.

**Q: Does the game work on mobile devices?** A: Yes, but for the best experience, we recommend using a desktop or laptop computer with one of the supported browsers.

**Q: How long does it take to complete the game?** A: Most users can complete all three levels in approximately 5 minutes max.

**Q: Will I need to create real accounts to play?** A: No, all account creation and authentication processes in the game are simulated.

## 

## Support

### Troubleshooting

If you encounter persistent issues with the game:

* Make sure your system meets the minimum requirements
* Try accessing the game from a different browser or device
* Check if your browser settings allow cookies and JavaScript
* Adjust your display settings to match the recommended resolution (1920x1080)
* For optimal performance, close other browser tabs and applications
* If you're on a mobile device, try rotating your screen or switching to desktop mode

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